

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-098144

(43)Date of publication of application : 09.04.1999

(51)Int.CI. H04L 12/28
G06F 13/00

(21)Application number : 09-252226 (71)Applicant : MITSUBISHI ELECTRIC CORP

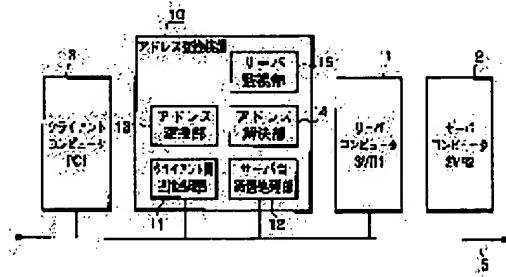
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(54) LOCAL AREA NETWORK SYSTEM AND ADDRESS CONVERTER FOR THE LOCAL AREA NETWORK SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To enable switching of a computer to be used without associating names of computers with logical addresses.

SOLUTION: In the case that a server computer 1 is at a halt, an address converter 10 takes over an IP address of the server computer 1 and receives an IP packet for a service request that is sent to the server computer 1 by a client computer 3 in place of the server computer 1. The address converter 10 converts a destination IP address of the IP packet into an IP address of the substitute server computer 2 and sends the packet. The address converter 10 that receives an IP packet for a service provision from the server computer 1 converts a sender IP address of the IP packet into an IP address of the server computer 1 and sends the packet to the client computer 3.



LEGAL STATUS

[Date of request for examination] 17.09.1997

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than

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the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number] 2911431

[Date of registration] 09.04.1999

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right] 09.04.2003

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